

TEAC

SERVICE MANUAL

PL-D2000

AV Digital Home Theater System



NOTES

- PC boards shown are viewed from parts side.
- The parts with no reference number or no parts number in the exploded views are not supplied.
- As regards the resistors and capacitors, refer to the circuit diagrams contained in this manual.
- △ Parts marked with this sign are safety critical components. They must be replaced with identical components - refer to the appropriate parts list and ensure exact replacement.
- Parts of [] mark can be used only with the version designated.
[J]: JAPAN [US]: U.S.A. [C]: CANADA [HK]: HONG KONG
[SG]: SINGAPORE [E]: EUROPE [K]: KOREA [UK]: U.K.
[SAF]: SOUTH AFRICA [NZ]: NEW ZEALAND [F]: FRANCE

注意

- プリント基板図は部品面を示しています。
- 分解図に部番のない部品および品番のない部品は供給できません。
- 標準の抵抗、コンデンサーは省略してあります。回路図を参照してください。
- △印は安全重要部品です。
- 交換する時は必ず指定の部品を使用してください。
- 仕向先
[J]: JAPAN [US]: U.S.A. [C]: CANADA [HK]: HONG KONG
[SG]: SINGAPORE [E]: EUROPE [K]: KOREA [UK]: U.K.
[SAF]: SOUTH AFRICA [NZ]: NEW ZEALAND [F]: FRANCE

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1 SAFETY INFORMATION

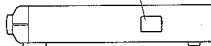
This product has been designed and manufactured according to FDA regulations "Title 21, CFR, chapter 1, subchapter J, based on the Radiation Control for Health and Safety Act of 1968", and is classified as a class 1 laser product. There is no hazardous invisible laser radiation during operation because invisible laser radiation emitted inside of this product is completely confined in the protective housings.

The label required in this regulation is shown ①.

● CAUTION

USE OF CONTROLS OR ADJUSTMENT OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

① For U.S.A.



Optical pickup:

Type : HOP-1000
 Manufacturer : Hitachi Media Electronics Co., Ltd.
 Laser output : Less than 0.5 mW on the objective lens
 Wavelength : 770 - 810 nm (CD), 635 - 665 nm (DVD)

2 SPECIFICATIONS

仕様

DVD Player

Pickup: Semiconducting laser, Wavelength 650 nm

Signal system: NTSC / PAL

Video signal horizontal resolution: More than 480 lines (DVD)

Video signal-to-noise ratio: More than 60 dB (DVD)

Audio frequency response (at 2 CH stereo mode):

DVD (PCM): 2 Hz ~ 22 kHz (+/- 1.0 dB)

CD: 2 Hz ~ 20 kHz (+/- 1.0 dB)

Audio signal-to-noise ratio: More than 80 dB

Total harmonic distortion: Less than 0.01%

Dynamic range:

DVD (PCM): More than 85 dB (2kHz, -60 dBFS)

CD: More than 85 dB

FM Tuner

System: PLL quartz-locked digital synthesizer system

Tuning range:

87.50 ~ 108.00 MHz (50 kHz step-European Model)

87.50 ~ 108.00 MHz (100 kHz step-General Export Model)

Antenna: FM pigtail antenna

Antenna terminals: 75 ohms, unbalanced

Intermediate frequency: 10.7 MHz

AM Tuner

System: PLL quartz-locked digital synthesizer system

Tuning range:

522 ~ 1620 kHz (9 kHz interval) (European Model)

530 ~ 1710 kHz (10 kHz interval) (General Export Model)

Antenna: AM Loop antenna

Video outputs

CVBS Video: 1 Vp-p 75 ohms

S-video: Y: 1 Vp-p 75 ohms

C: PAL 0.3 Vp-p 75 ohms / NTSC 0.286 Vp-p 75 ohms

Audio line outputs

Audio L/R: 2 Vrms, 1 kilohms

Subwoofer: 5 Vrms maximum (adjustable), 1 kilohms

Audio power outputs

Stereo mode: 20 W + 20 W (4 ohms at 1 kHz, THD 10%)

Surround mode:

Front: 20 W + 20 W (4 ohms at 1 kHz, THD 10%)

Center: 20 W (4 ohms at 1 kHz, THD 10%)

Rear: 20 W + 20 W (4 ohms at 1 kHz, THD 10%)

• Phones: Accepts low- and high-impedance headphones

Speakers

Active Subwoofer:

Power: 50 W (4ohms at 80 Hz, THD 10%)

Speaker system: Bass reflex

Speaker unit: 8 inches, dia. cone type

Rated impedance: 4 ohms

Dimensions: W160 x H333 x D222 mm

Weight: 5.0 kg

Front / Center / Rear speakers:

Power: 20 W maximum

Speaker system: Bass reflex

Speaker unit: 2 7/8 inches, dia. cone type

Rated impedance: 4 ohms

Dimensions: W99 x H105 x D100 mm

Weight: 0.8 kg

General

Power requirements:

120V AC, 60 Hz (General Export Model)

230 V AC, 50 Hz (European Model)

240 V AC, 50 Hz (Australian Model)

Power consumption: 250 W

Dimensions: W417 x H68 x D355 mm

Weight: 8.5 kg

Operating temperature: 5 °C ~ 40 °C

Operating humidity: 5% ~ 90%

Storage temperature: -20 °C ~ 55 °C

Supplied accessories:

AM loop antenna x 1

FM antenna x 1

Speaker cable (5m x 3, 10 m x 2)

RCA cable (for Subwoofer) x 1

Stickers to protect speakers x 1

Remote control unit x 1

Batteries (AA, R6, SUM-3) x 2

• Design and specifications are subject to change without notice.

• Weight and dimensions are approximate.

■本体

電源	100V AC 50-60Hz
消費電力	160W
外形寸法(W x H x D)	430mmx78mmx383mm
質量	8.1kg
許容動作温度	+5℃~+40℃
許容動作湿度	5%~90%(結露のないこと)
許容保管温度	-20℃~+55℃

■アンプ部

ステレオ出力(10% THD, 1kHz, 4Ω)	
フロント	25W+25W
サウンド出力(10% THD, 1kHz, 4Ω)	
フロント	25W+25W
センター	25W
リア	25W+25W
音声出力(ライン)	
AUDIO OUT	2Vrms, 1kΩ
SUBWOOFER	最大5Vrms(可変), 1kΩ

■DVDプレーヤー部

レーザー	セミコンダクターレーザー
信号方式	NTSC/PAL
周波数特性(2CH STEREOモード)	
DVD(PCM)	20Hz~22kHz(±1.0dB)
CD	20Hz~20kHz(±1.0dB)
SN比	90dB(AUDIO)
	60dB(VIDEO)
全高調波歪率	0.03%以下
ダイナミックレンジ	
DVD(PCM)	85dB(2kHz, -60dBFS)
CD	85dB

■ビデオ部

映像出力	1 Vp-p, 75Ω
S映像出力	
Y出力レベル	1 Vp-p, 75Ω
C出力レベル(NTSC)	0.286 Vp-p, 75Ω
C出力レベル(PAL)	0.3 Vp-p, 75Ω
コンポーネントビデオ出力(Y, Cr, Ca)	
Y出力レベル	1.0 Vp-p, 75Ω
Cr出力レベル	0.7 Vp-p, 75Ω
Ca出力レベル	0.7 Vp-p, 75Ω

■チューナー部

受信周波数	
FM	76.0MHz~90.0MHz(100kHzステップ)
AM	522kHz~1,620kHz(9kHzステップ)

■フロント/センター/リアスピーカー

ユニット	75mm
インピーダンス	4Ω
最大入力	25W
外形寸法(W x H x D)	90mmx130mmx100mm(サランネット含む)
質量	フロント/センター: 0.7kg, リア: 0.5kg

■サブウーハー

ユニット	165mm
最大出力	75W(10% THD, 80Hz)
電源	100V AC 50-60Hz
消費電力	25W
外形寸法(W x H x D)	200mmx330mmx320mm
質量	7.0kg

■付属品

リモコン	
リモコン用乾電池(単3)x 2本	
AM/ループアンテナ	
FMアンテナ	
スピーカーケーブル(5m x 3本, 10m x 2本)	
サブウーハーケーブル(RCA) x 1本	
スピーカー用滑り止め x 1シート	
取扱説明書	
保証書	

仕様及び外観は改善のため予告なく変更することがあります。

3 ADJUSTMENTS AND CHECKS

調整と確認

■ ALIGNMENT INSTRUCTIONS

EQUIPMENT NEEDED:

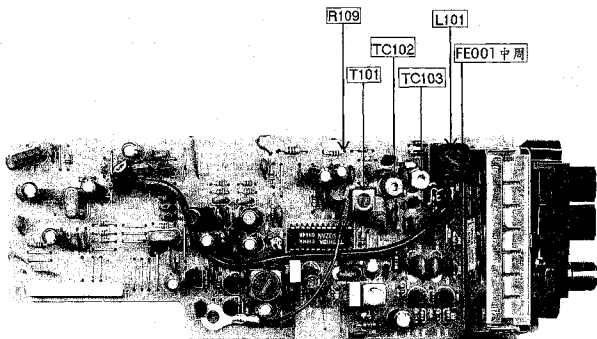
AM Signal Generator
FM Signal Generator
Oscilloscope
VTVM(A.C., D.C.)
Test loop antenna (AW Adjustment)
Dummy antenna (FM Adjustment)
Stereo signal modulator
Frequency counter
Distortion analyser

IMPORTANT

1. Check power-source voltage.
2. Set the function switch to band aligned.
3. Keep the signal input as low as possible to adjust accurately.
4. Modulation and modulation frequency.

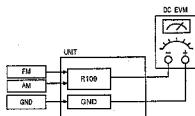
Band	Item	Modulation	Modulation frequency
AM		30%	400Hz
FM		30%(22.5kHz Dev.)	1kHz

■ ADJUSTMENT POINT



1. FM, AM TRACKING VOLTAGE ADJUSTMENTS FM/AMトラッキング電圧調整

(FM, AM) DC VOLTMETER CONNECT TO TEST POINT R109 and GND

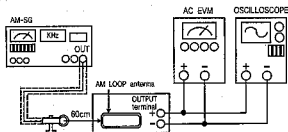


NO.	Band	Frequency	Adjust for	Adjustment
1	FM	87.50MHz [EUR,US] 76.00MHz [J]	1.5V	—
2	FM	108.00MHz [EUR,US] 90.00MHz [J]	8.4V	—
3	AM	522kHz [EUR,J] 530kHz [US]	1.5V	T101
4	AM	1620kHz [EUR,J] 1710kHz [US]	8.3V	TC102

2. AM RF ADJUSTMENT AM RF調整

Signal Generator Connects to the AM ANT. Coil through the loop antenna.
Adjust for the indication of VTVM of the wave form of scope to be maximum.

BAND	Step	Frequency	Adjust for	Adjustment
AM	1	612kHz [EUR,J] 610kHz [US]	Maximum sensitivity	L101
	2	1404kHz [EUR,J] 1400kHz [US]	Maximum sensitivity	TC103
	3	Repeat steps 1 and 2 several times.		

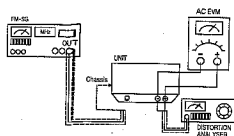


3. FM MONO DISTORTION ADJUSTMENT FM MONO歪率調整

AC VOLT METER.....Connect to the output.

Signal Generator.....Connect to FM ANT Jack (FM IN) through the dummy.

Distortion Meter.....Connect to the output.



NO.	Frequency	Adjust for	Adjustment
1	98.10MHz [EUR,US] 82.00MHz [J]	Minimum T.H.D (<1%)	FE001中周

4. FM/AM AUTO STOP LEVEL CHECK FM/AMオートストップレベル確認

FM SIGNAL GENERATORConnect to FM ANT Jack (FM IN) through the dummy

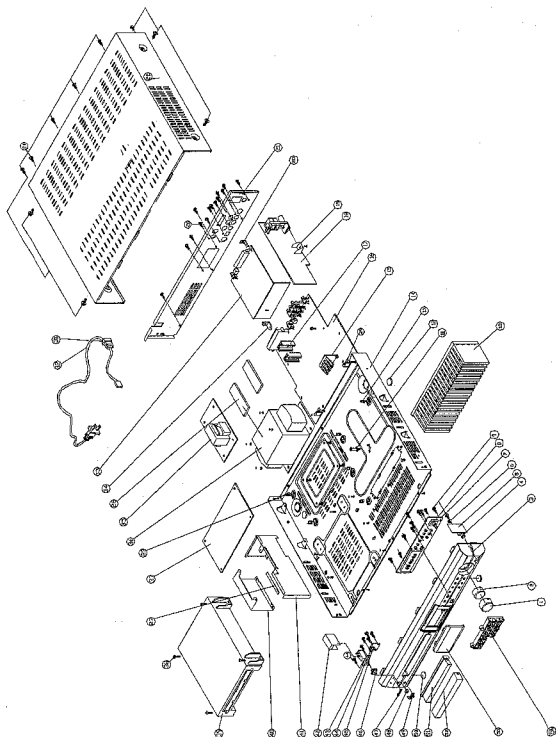
AM SIGNAL GENERATOR.....Connect to AM ANT, Coil through the Loop antenna

BAND	STEP	SIGNAL GENERATOR	Check	Result
FM	1	90.10MHz [EUR,US] 78.00MHz [J]	<input type="checkbox"/> TUNED $\leq 32\text{dB}$	OK/NG
	2	106.10MHz [EUR,US] 88.00MHz [J]	<input type="checkbox"/> TUNED $\leq 32\text{dB}$	OK/NG
AM	1	612kHz [EUR,J] 610kHz [US]	<input type="checkbox"/> TUNED $\leq 84\text{dB}$	OK/NG
	2	1404kHz [EUR,J] 1400kHz [US]	<input type="checkbox"/> TUNED $\leq 84\text{dB}$	OK/NG

4 EXPLODED VIEWS AND PARTS LIST

分解図とパーツリスト

EXPLODED VIEW-1



EXPLODED VIEW-1

REF. NO.	PARTS NO.	DESCRIPTION	REMARKS
1- 1	9A09114700	TRANSPARENT VOL	
1- 2	9A09114000	VOL KNOB	
1- 3	9A09113700	FRONT CAB [J, US, C, HK, SG, K, SAF, NZ]	
	9A09197200	FRONT CAB [E, UK, F]	
1- 4	9A07465300	PHONE JACK, BLK	
1- 5	9A09137900	PHONE PCB ASSY	
1- 6	9A09116600	WASHER, OD14X1D3, 2XT1, 0MM	
1- 7	9A09137700	KEY PCB ASSY	
1- 8	9A08320700	R-ENCODER	
1- 9	9A09116300	SCREW, T3, 0XL8, 0XP1, 06MM	
1-10	9A09125300	HEAT SINK	
1-11	9A09115300	SPACER SUPPORT, L=18	
1-12	9A09114800	RUBBER, DIA14XT3MM WHITE	
1-13	9A09197900	PCB BKT	
1-14	9A09115400	BOTTOM CAB	
1-15	9A09125400	HEAT SINK	
1-16	9A09113100	MAIN PCB ASSY [J, US, C, HK, SG, K, SAF, NZ]	
	9A09113140	MAIN PCB ASSY [E, UK, F]	
1-17	9A09125500	HEAT SINK	
1-18	9A09113200	TUNER PCB ASSY [J]	
	9A09113210	TUNER PCB ASSY [US, C]	
	9A09113220	TUNER PCB ASSY [HK, SG, K, SAF, NZ]	
	9A09113240	TUNER PCB ASSY [E, UK, F]	
1-19	9A09129500	PCB BKT	
1-20	9A09125600	BRACKET	
1-21	9A09196800	BACK CAB [J]	
	9A09115600	BACK CAB [US, C]	
	9A09248800	BACK CAB [HK, SG, K]	
	9A09248900	BACK CAB [E, UK, SAF, F]	
	9A09249000	BACK CAB [NZ]	
1-22	9A09115500	TOP COVER	
1-23	9A09113800	PLASTIC BRACKET	
1-24	9A09116000	SCREW, M3X6X0, 5P	
1-26	9A09116000	SCREW, M3X6X0, 5P	
1-27	9A09111100	SPONGE, L52XW5, 5XT1, 0MM	
1-28	9A09116800	RUBBER PAD, L54XW20XT3, 0MM	
1-29	9A09125600	BRACKET	
1-30	9A09116000	SCREW, M3X6X0, 5P	
1-31	△ 9A08289700	AC LINE BUSHING	
1-32	△ 9A09198100	LINE CORD [J]	
	△ 9A09117200	LINE CORD [US, C]	
	△ 9A09249700	LINE CORD [HK, UK]	
	△ 9A09249800	LINE CORD [E, SG, SAF, F]	
	△ 9A09249900	LINE CORD [K]	
	△ 9A09250200	LINE CORD [NZ]	
1-33	9A09141000	PRO LOGIC+SCART PCB ASSY [J, US, C, HK, SG, K, NZ]	
	9A09141040	PRO LOGIC+SCART PCB ASSY [E, UK, SAF, F]	
1-34	9A09141400	PCB BKT	
1-35	△ 9A09198200	PWR TRANSFORMER, 100V [J]	
	△ 9A09133400	PWR TRANSFORMER, 120V [US, C]	
	△ 9A09249800	PWR TRANSFORMER, 230V [HK, SG, E, K, UK, SAF, NZ, F]	

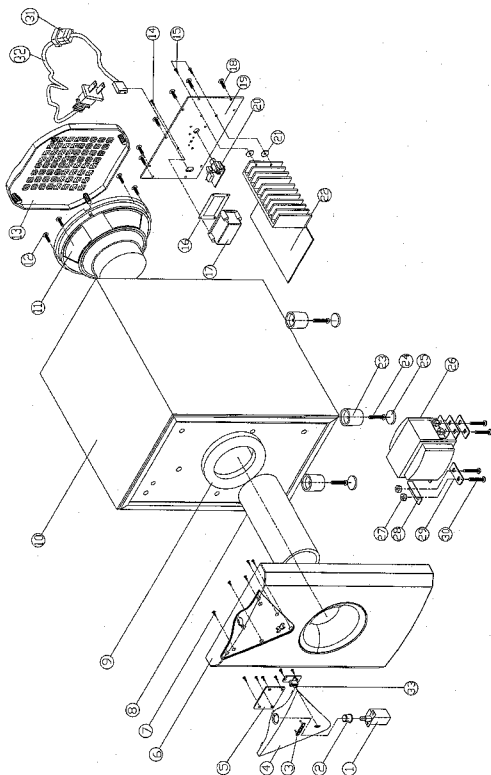
EXPLODED VIEW-1

REF. NO.	PARTS NO.	DESCRIPTION	REMARKS
1-36	△ 9A09273500	PIR TRANSFORMER, 100V [J]	
	△ 9A09117100	PIR TRANSFORMER, 120V [US, C]	
	△ 9A091197100	PIR TRANSFORMER, 230V [HK, SG, E, K, UK, SAF, F]	
	△ 9A09273500	PIR TRANSFORMER, 240V [NZ]	
1-37	9A09113900	MPEG PCB ASSY	
1-38	9A09115100	SCREW, M3X6X0.5P	
1-39	9A09117800	DVD LOADER, DSL-710A DVS A	
1-40	9A09115700	BRACKET	
1-41	9A09115800	BRACKET	
1-42	9A09113500	POWER SW PROTECTOR	
1-43	△ 9A09117000	SW, PUSH P12	
1-44	9A07465600	LED, RED	
1-45	9A09137900	LED PCB ASSY	
1-46	9A09114100	POWER KNOB	
1-47	9A09114900	LOGO PLATE	
1-48	9A09114400	LED LENS	
1-49	9A09114200	KNOB, STAND-BY KEY	
1-50	9A09114800	RUBBER, D1A14XT3MM WHITE	
1-51	9A09113600	DVD DOOR	
1-52	9A09114600	TRANSPARENT DOOR	
1-53	9A09114300	LCD LENS	
1-54	9A09113900	FUN. KNOB	

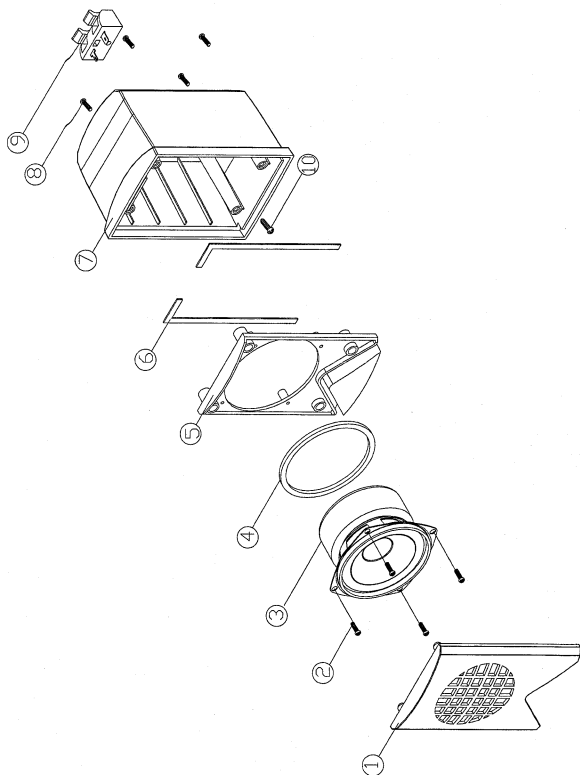
INCLUDED ACCESSORIES

REF. NO.	PARTS NO.	DESCRIPTION	REMARKS
	9A09053900	OWNER'S MNL, J [J]	
	9A09053800	OWNER'S MNL, E/F [US, C]	
	9A09053700	OWNER'S MNL, E/F/G/I/S [EXCEPT J]	
	9A09110000	REMOTE CONTROL UNIT, RC829	S/No. 10900000 and earlier
	9A09110001	REMOTE CONTROL UNIT, RC829A	S/No. 10900001 and after
	9A09110400	BATTERY	
	9A09111500	WIRE, 5000MM (BLU/BLK)	
	9A09111600	WIRE, 10000MM (GRY/BLK)	
	9A09111700	WIRE, 5000MM (RED/BLK)	
	9A09111800	CABLE, RCA (BLK)	
	9A09111900	CABLE, RCA (RED/YEL/WHI)	
	9A09109900	LOOP ANT ASSY	
	9A09112000	T ANTENNA 75 OHM [J, US, C]	
	9A09205600	T ANTENNA [HK, SG, E, K, UK, SAF, NZ, F]	

EXPLODED VIEW-2



EXPLODED VIEW-3



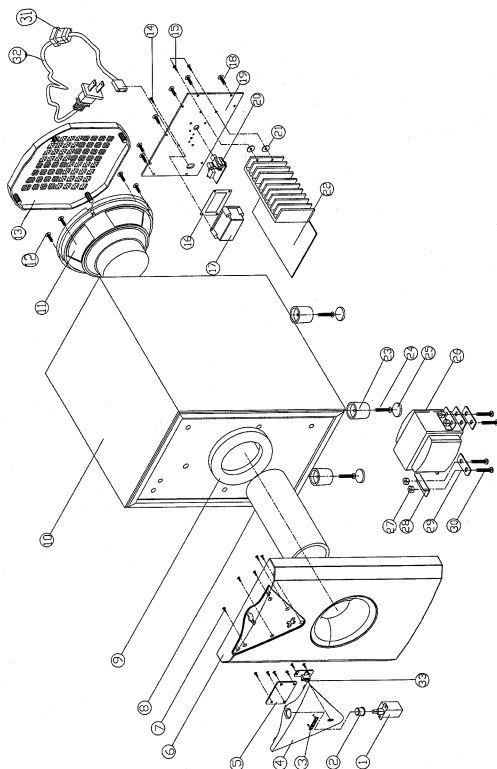
EXPLODED VIEW-3

REF. NO.	PARTS NO.	DESCRIPTION	REMARKS
3- 1	9A09118200	GRILLE	
3- 2	9A08755900	SCREW, T3, OXL8, OXP1, 06MM	
3- 3	9A09118600	SPK DRIVER, 25W 31NCH 40HM (REAR)	
	9A09118700	SPK DRIVER, 25W 31NCH 40HM (FRONT/CENTER)	
3- 4	9A09118900	SPONGE, 0079X1D70XT3, 0MM	
3- 5	9A09118000	SPK PANEL (FRONT/REAR)	
	9A09118100	SPK PANEL (CENTER)	
3- 6	9A09119100	SPONGE, L123XW5XT1MM	
3- 7	9A09117800	REAR COVER	
3- 8	9A08755800	SCREW, T3, OXL10, OXP1, 06MM	
3- 9	9A09118300	SPK JACK, 2P BLK-RED (FRONT)	
	9A09118400	SPK JACK, 2P BLK-BLU (CENTER)	
	9A09118500	SPK JACK, 2P BLK-GRY (REAR)	
3-10	9A09118800	SCREW, T4X12MM BLK	

EXPLODED VIEW-2

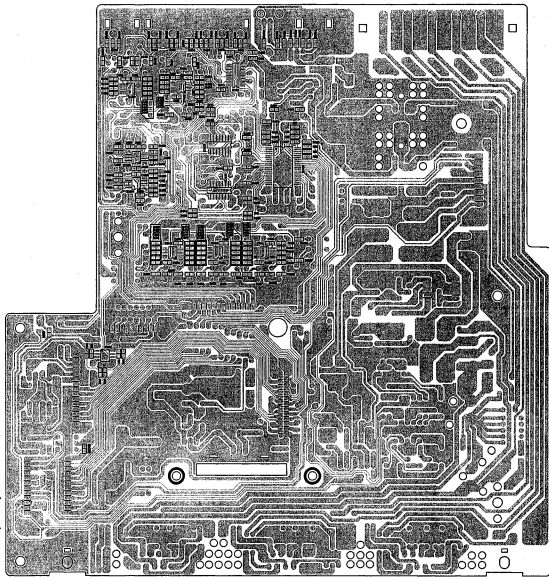
REF. NO.	PARTS NO.	DESCRIPTION	REMARKS
2- 1	△ 9A09117000	SW, PUSH P12	
2- 2	9A09143200	POWER KNOB	
2- 3	9A09143700	LOGO PLATE	
2- 4	9A09143400	SPK TRIM	
2- 5	9A09140200	SW PCB ASSY	
2- 6	9A09143000	SPK, CAB	
2- 7	9A09145200	SCREW, T2, 6XP1.07XL8, 0MM	
2- 8	9A09143900	PORT TUBE, 0065X1D55XL155M	
2- 9	9A09145600	SPONGE, 00118X1D50XT10MM	
2-10	9A09144100	WOOD BOX [EXCEPT J]	
	9A09197300	WOOD BOX [J]	
2-11	9A09144200	SPK DRIVER, 100W 6.5 INCH 40HM	
2-12	9A09144600	SCREW, M3, 5X14MM BLK	
2-13	9A09143100	GRILLE	
2-14	9A09145100	SCREW, M3X10 BLK	
2-15	9A08755900	SCREW, T3, 0XL8, 0XP1.06MM	
2-16	9A09146000	COVER SPONGE, L34XW4, 5XT3MM	
2-17	9A09142800	REAR COVER	
2-18	9A09144500	SCREW, M3, 5X14MM BLK	
2-19	9A09197400	REAR PLATE [J]	
	9A09144400	REAR PLATE [US, C]	
	9A09249100	REAR PLATE [HK, SG, E, K, UK, SAF, F]	
	9A09249200	REAR PLATE [NZ]	
2-20	9A09133600	JACK SWITCH PCB ASSY	
2-21	9A09145300	FIBER, DIA12XID3.5XT1.6MM	
2-22	9A09134100	AMP PCB ASSY	
2-23	9A09142900	FOOT, D25XL25	
2-24	9A09144700	SCREW, T4X20MM BLK [EXCEPT J]	
	9A09197600	SCREW, T4X25MM BLK [J]	
2-25	9A09145400	RUBBER PAD, D20XT3MM BLK	
2-26	△ 9A09274700	PWR TRANSFORMER, 100V [J]	
	△ 9A09146500	PWR TRANSFORMER, 120V [US, C]	
	△ 9A09274800	PWR TRANSFORMER, 230V [HK, SG, E, K, UK, SAF, NZ, F]	
2-27	9A09116500	NUT, M4, 0X0D7, 0XT3, 0MM	
2-28	9A09144300	BRACKET, X' FORMER	
2-29	9A09143500	RUBBER PAD, 50X12XT2MM	
2-30	9A09144900	SCREW, M4X25X0.7MM BLK	
2-31	△ 9A09143800	BUSHING	
2-32	△ 9A07441300	LINE CORD [J]	
	△ 9A09146600	LINE CORD [US, C]	
	△ 9A09420200	LINE CORD [HK, UK]	
	△ 9A09420300	LINE CORD [SG, E, SAF, F]	
	△ 9A09420400	LINE CORD [K]	
	△ 9A07469800	LINE CORD [NZ]	
2-33	9A09143300	LED LENS	

EXPLODED VIEW-2

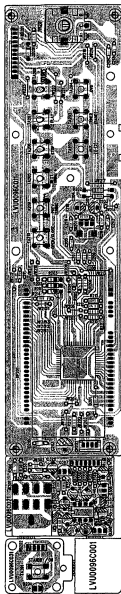


基板図とパーツリスト

MAIN PCB (SIDE B)



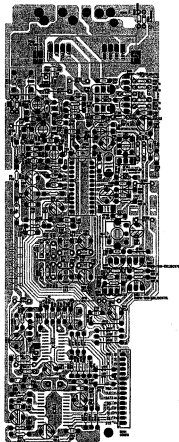
KEY PCB



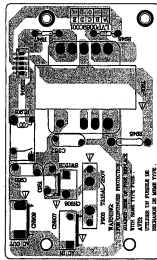
REGIONAL	JAN51	JAN52	JAN53
1	1	1	1
2	1	1	0
3	1	0	1
4	1	0	0
5	0	1	1
6	0	1	0

JUMPER WIRE SETUP:
1=INSTALL, 0=NOT INSTALL

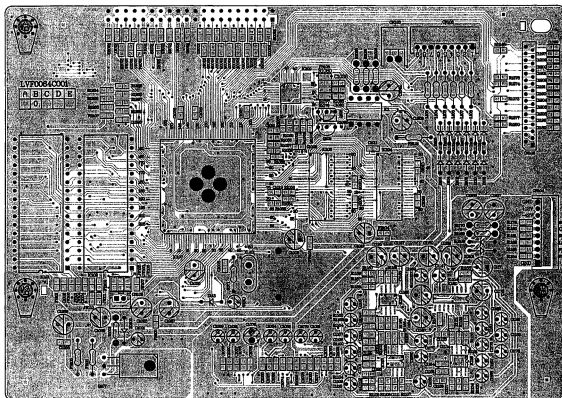
TUNER PCB



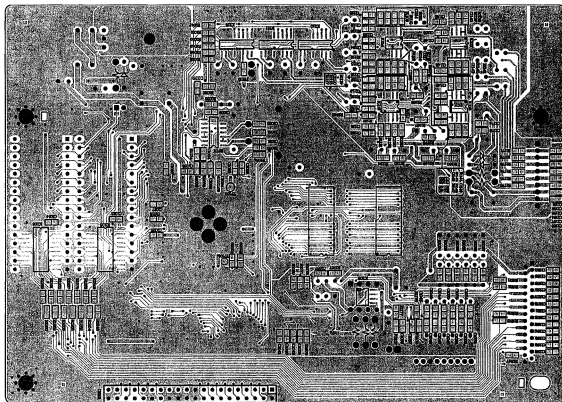
POWER PCB



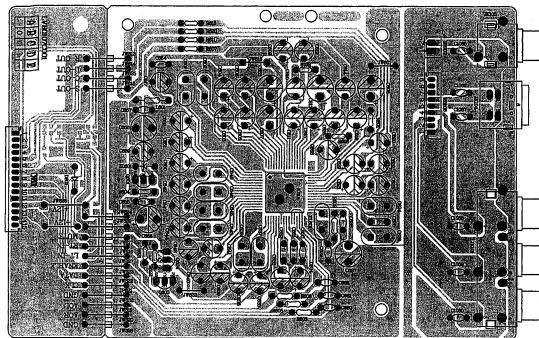
MPEG PCB (SIDE A)



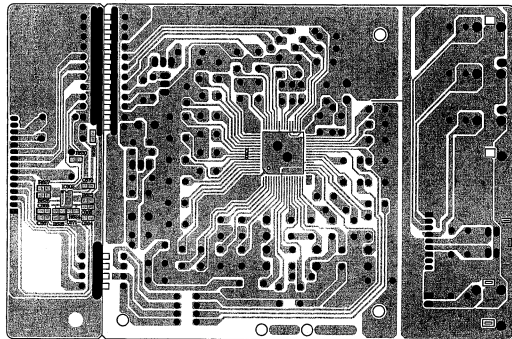
MPEG PCB (SIDE B)



SCART PCB (SIDE A)



SCART PCB (SIDE B)



MAIN PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	9A09113100	MAIN PCB ASSY [J, US, C, HK, SG, K, SAF, NZ]
	9A09113140	MAIN PCB ASSY [E, UK, F]
	9A09128400	MAIN PCB
	9A08773200	WASHER, ID=3 OD=6 H=2.5MM
	9A09125300	HEAT SINK
	9A08290700	MICA
	9A09125600	BRACKET
	9A09116000	SCREW, M3X6.0, 5P
	9A09116300	SCREW, T3, 0XL8, 0XP1, 06MM
C455	9A09125200	SLEEVEING, 002X1D1XLSMM
C905, C907	9A08829500	C, ELECT 6800UF/25V 20%
C926, C945	9A08829400	C, ELECT 3300UF/25V 20%
C935	9A09126000	C, ELECT, 2200UF/25V 20%
CN001	9A08299800	CONNECTOR, TUC-P10P-B1
CN201	9A09124600	CONNECTOR, 12PIN
CN301	9A09124500	CONNECTOR, 7PIN
CN601A	9A09027100	CONNECTOR, TUC-P15P-B1
CN902	9A09124400	CONNECTOR, B9B-XH-A 9PIN
CN903	9A07466200	CONNECTOR, CL3962WVO 3PIN
CN904	9A08300100	CONNECTOR
D401	9A07449400	DIODE, 1N4148
D501-D504	9A07449400	DIODE, 1N4148
D507-D510	9A07449400	DIODE, 1N4148
D901	9A09126700	RECTIFIER, KB808
D906, D907	9A07466400	SLEEVEING, 003, 0XID2, 5XL10
D906, D907	9A07462200	RECTIFIER, 1N5401
D908, D909	9A07461600	RECTIFIER, 1N4001
D910	9A07466400	SLEEVEING, 003, 0XID2, 5XL10
D910	9A07462200	RECTIFIER, 1N5401
D911, D912	9A07461600	RECTIFIER, 1N4001
D913-D916	9A07461600	RECTIFIER, 1N4001
D917	9A09125200	SLEEVEING, 002X1D1XLSMM
D917	9A09126600	RECTIFIER, 1N5392
F901, F902	9A07451800	FUSE CLIP
F901, F902	9A09125800	FUSE, 6.3A 250V SLOW
F905-F908	9A07451800	FUSE CLIP
F905-F908	9A09125700	FUSE, 1.6A 250V SLOW
IC401	9A09046500	IC, TC4052BPN
IC402-404	9A09123600	IC, JRC4558D
IC405, 406	9A08824200	IC, TC4053BPN
IC407	9A09123800	IC, JRC4558D
IC408	9A09046300	IC, M6246FP
IC409-411	9A09123800	IC, JRC4558D
IC501-503	9A09126800	IC, TDA7265
IC901	9A08825600	IC, 7812
IC901, 902	9A09125500	HEAT SINK
IC902	9A09127000	IC, 7912
IC903	9A09125400	HEAT SINK
IC903	9A07463000	IC, MC7806ACT
IC905	9A09126900	IC, BA05T
JK105	9A09125100	RCA JACK, 1P BLK
JK106	9A09124900	TOSLINK JACK, TOTX178A
JK401	9A09124700	RCA JACK, 6P WHI/RED
JK402	9A09125000	RCK JACK, 1P BLK

MAIN PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
JK501	9A09124800	SPK JACK, 10P
L501-L503	9A07464000	RF COIL, 1UH
L505, L506	9A07464000	RF COIL, 1UH
0401-0403	9A07461700	TR, 2SC2878
0404	9A07449500	TR, 2SC945P
0501-0503	9A07449500	TR, 2SC945P
0504, 0505	9A07449600	TR, 2SA7330/P
0506	9A07449500	TR, 2SC945P
0901	9A07450400	TR, 2SC2001L
0905, 0907	9A07463800	TR, 2SB772P/Q
0906, 0908	9A07461700	TR, 2SC2878
0909, 0911	9A07449600	TR, 2SA7330/P
0910, 0912	9A07449500	TR, 2SC945P
0913	9A07449600	TR, 2SA7330/P
0914	9A07449500	TR, 2SC945P
R26-R28	9A09125200	SLEEVEING, 002X1D1XLSMM
R443, R448	9A09125200	SLEEVEING, 002X1D1XLSMM
R516-R519	9A09125200	SLEEVEING, 002X1D1XLSMM
R904, R908	9A09125200	SLEEVEING, 002X1D1XLSMM
R922	9A09127500	R, 33 OHM 1/2W 5%
R925, R926	9A09125200	SLEEVEING, 002X1D1XLSMM
R925, R926	9A09126400	R, 1 OHM 1/2W 5%
RB102	9A09124300	CONNECTOR, 26P FFC
ZD401, 402	9A09045000	DIODE, ZENER 6.9-7.2V 0.5W
ZD403, 404	9A07461800	DIODE, ZENER 6.0-6.3V 0.5W

KEY PCB ASSY (GATHER)

REF. NO.	PARTS NO.	DESCRIPTION
	9A09113400	KEY PCB ASSY [J, US, C]
	9A09113420	KEY PCB ASSY [HK, SG, E, K, UK, SAF, NZ, F]
KEY PCB ASSY	9A09137700	KEY PCB ASSY
	9A09139500	KEY PCB
CN202	9A08310300	CONNECTOR, B 4B-PH-K
D201-D203	9A07449400	DIODE, 1N4148
DP201	9A09138200	VFD
IC201	9A09138600	IC, PT6311
SN201	9A09138700	IRT SENSOR
TA202-210	9A09138300	SW, TACT
VR201	9A08320700	R-ENCODER
ZD201	9A09121800	DIODE, ZENER 4.1-4.3V 0.5W
PHONE PCB ASSY	9A09137800	PHONE PCB ASSY
C306, C307	9A07461700	TR, 2SC2878
FB302, 303	9A09121900	BEAD FERIT, 3.5D1A X 6MM
IC304	9A09139000	IC, TDA2822
JK301	9A07465300	PHONE JACK, BLK
Q308	9A07450400	TR, 2SC2001L
ZD301	9A07461800	DIODE, ZENER 6.0-6.3V 0.5W
LED PCB ASSY	9A09137900	LED PCB ASSY
D204	9A07465600	LED, RED
TA201	9A09138300	SW, TACT

TUNER PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	9A09113200	TUNER PCB ASSY [J]
	9A09113210	TUNER PCB ASSY [US, C]
	9A09113220	TUNER PCB ASSY [HK, SG, K, SAF, NZ]
	9A09113240	TUNER PCB ASSY [E, UK, F]
	9A09132300	TUNER PCB [EXCEPT J]
	9A09197000	TUNER PCB [J]
	9A09129500	PCB BKT
	9A09132100	TUNER PACK [EXCEPT J]
	9A09196900	TUNER PACK [J]
CF101, 102	9A09129700	CERAMIC FILTER, 10.7MHZ
CF103	9A09129600	CERAMIC FILTER, 450KHZ
CF104	9A09129900	CERAMIC FILTER, CDA10, 7MG-18A
CF105	9A09130000	RESONATOR, CRB456F18
D101-D105	9A07449400	D10DE, 1N4148
IC101	9A09131400	IC, TA8132AN
IC102	9A09131300	IC, TC9257F
JK002	9A09129300	ANT JACK, BLK
L101	9A09131800	ANT OSC, AM
L103, L104	9A08305300	CHOKE, 10UH
L105, L106	9A09131600	CHOKE, 39MH
L142	9A08305300	CHOKE, 10UH [EXCEPT J]
L143	9A08305300	CHOKE, 10UH [J]
Q101, Q102	9A09133000	TR, 2SC1675L
Q103	9A07449500	TR, 2SC945P
Q104	9A07449600	TR, 2SA7330/P
Q106, Q107	9A07449600	TR, 2SA7330/P
Q108	9A09132900	FET, 2SK192A-Y/GR
Q109, Q110	9A07449500	TR, 2SC945P
RB101	9A08305600	CONNECTOR, TUC-P10X-B1
T101	9A09131900	OSC AM, 108UH
T102	9A09131700	IFT AM, 455KHZ
TC102	9A09130200	C, TRIM 4.2-20PF
TC103	9A09130100	C, TRIM 3-10PF NPO
VD102, 103	9A09131500	D10DE, 1SV149B
XL102	9A09129800	CRYSTAL, 7.2000MHZ
ZD101	9A09132500	D10DE, ZENER 3.8-4.0V 0.5W

POWER PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	9A09113300	POWER PCB ASSY [J]
	9A09113310	POWER PCB ASSY [US, C]
	9A09113320	POWER PCB ASSY [HK, SG, E, K, UK, SAF, NZ, F]
	9A09133100	POWER PCB
	△ 9A09198200	PWR TRANSFORMER, 100V [J]
	△ 9A09133400	PWR TRANSFORMER, 120V [US, C]
	△ 9A09249600	PWR TRANSFORMER, 230V [HK, SG, E, K, UK, SAF, NZ, F]
C951	△ 9A09133300	C, SAFETY 0.001UF/400V

POWER PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
C952, C953	△ 9A07464900	C, SAFETY 0.01UF 20%
CN907, 909	9A07464500	CONNECTOR, 4PIN
CN908	9A08297700	CONNECTOR, 3PIN
F903	△ 9A09026400	FUSE, 3.15A 250V SLOW
FOR F903	9A07442900	FUSE COVER
FOR F903	9A07451800	FUSE CLIP
R945	9A09125200	SLEEVING, OD2X101XL5MM
R945	△ 9A08298000	R, 4.7M OHM 1/2W
R946, R947	9A09125200	SLEEVING, OD2X101XL5MM
RL901	△ 9A09133200	RELAY, 5VDC 40MA

MPEG PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	9A09113000	MPEG PCB ASSY
	9A09122000	MPEG PCB
CN101	9A09120300	CONNECTOR, 40P
CN102	9A09120200	CONNECTOR, 28P FFC
CN103	9A08831500	CONNECTOR, S2B-XH-A 2P
CN104	9A09120500	CONNECTOR, 10P
CN108	9A09120400	CONNECTOR, 9P
D101-D113	9A07449400	D10DE, 1N4148
FB105	9A09121900	BEAD FERIT, 3.501A X 6MM
FB111, 112	9A09121900	BEAD FERIT, 3.501A X 6MM
IC101, 102	9A09120600	IC SOCKET, 32P
IC101, 102	9A09121300	IC, F29C51004T-90PC
IC103, 104	9A09124000	IC, SDRAM 512KX2X16
IC105, 106	9A09124100	IC, 74HC374
IC107	9A09123700	IC, ES4408
IC108	9A09121200	IC, AT24C02
IC109	9A09123900	IC, CS4955-CQ
IC110-112	9A09123600	IC, CS4340
IC113-119	9A09123800	IC, JRC4558D
IC120	9A09046500	IC, TC4052BFN
IC122	9A09046400	IC, TC74HC04AFN
L103-L108	9A09121400	CHOKE, 2.2UH
L109	9A08305300	CHOKE, 10UH
Q102, Q108	9A07449500	TR, 2SC945P
Q107	9A07463500	TR, 2SD882P
R1095	9A09121700	R, 2K 1/6W 1%
R1096	9A09121700	R, 2K 1/6W 1%
XL101	9A09120700	CRYSTAL, 27MHZ
ZD101, 102	9A09045000	D10DE, ZENER 6.9-7.2V 0.5W
ZD103	9A09121800	D10DE, ZENER 4.1-4.3V 0.5W

PRO LOGIC+SCART PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	9A09141000	PRO LOGIC+SCART PCB ASSY [J,US,C,H,K,SG,K,NZ]
	9A09141040	PRO LOGIC+SCART PCB ASSY [E,UK,SAF,F]
	9A09142000	PRO LOGIC+SCART PCB
	9A09141400	PCB BKT
	9A09116000	SCREW, M3X6X0.5P
CN601	9A09042600	CONNECTOR, TUC-P15X-B1
IC601	9A09141600	IC, LV1035M
IC602	9A09123800	IC, JRC4558D
	9A09141300	JACK RCA, RED/GRN/BLU
JK101	9A09141500	RCA JACK, 1P YELLOW
JK104	9A09141200	DIN JACK, 4PIN DSW-04 DVD
L601	9A08305300	CHOKE, 10UH
Q601	9A07450400	TR, 2SC2001L
	9A07461700	TR, 2SC2878
O603, Q604	9A08305800	RESONATOR, 8MHZ
XL601	9A08820300	DIODE, ZENER 9.1-9.5V 0.5W
ZD601		

JACK SWITCH PCB ASSY [SUB WOOFER]

REF. NO.	PARTS NO.	DESCRIPTION
	9A09133600	JACK SWITCH PCB ASSY
	9A09134000	JACK SWITCH PCB
JK301	9A09125000	RCA JACK, 1P BLK
SW301	9A09133800	SW, SLIDE

LED+SW PCB ASSY (GATHER) [SUB WOOFER]

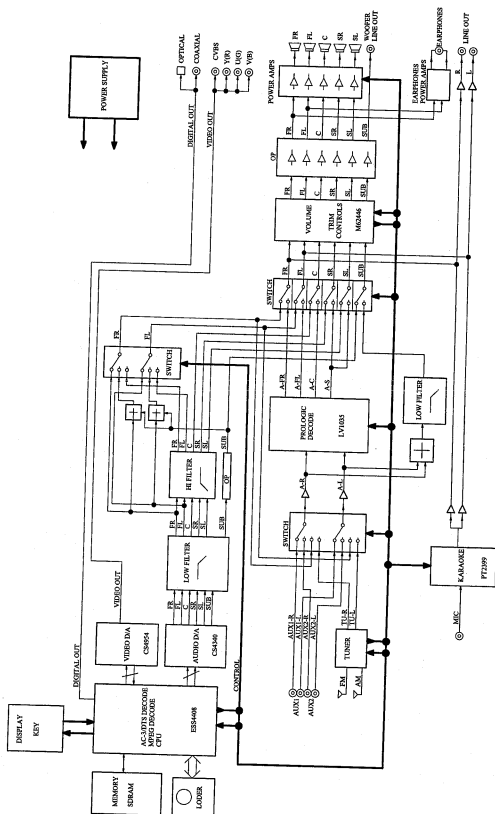
REF. NO.	PARTS NO.	DESCRIPTION
	9A09140100	LED+SW PCB ASSY
	9A09140200	SW PCB ASSY
C920	9A07464900	C, SAFETY 0.01UF 20%
SW920	9A09117000	SW, PUSH P12
	9A09140300	LED PCB ASSY
D920	9A09140700	LED, ORG/GREEN

AMP PCB ASSY [SUB WOOFER]

REF. NO.	PARTS NO.	DESCRIPTION
	9A09134100	AMP PCB ASSY
	9A09136100	AUDIO AMP PCB
	9A09134500	HEAT SINK
	9A09028900	BRACKET
	9A08755400	SCREW, M3, OXL8, OXP0.5
	9A09134700	SCREW, T3, OXL12, OWM BLK
BD901	9A09135600	RECTIFIER, RS402L
C905, C906	9A08829600	C, ELECT 4700UF/50V 20%
CN301	9A08300000	CONNECTOR, B 3B-PH-K
CN401	9A08309300	CONNECTOR, B 2B-XH-A 2PIN
	9A09135900	WIRE TERM
CN901	9A09134400	CONNECTOR, 3P
D401-D404	9A07449400	DIODE, 1N4148
D501, D507	9A07461600	RECTIFIER, 1N4001
D502-D504	9A07449400	DIODE, 1N4148
	9A07449400	DIODE, 1N4148
D506	9A09198300	FUSE, 4A 125V SLOW
F901, F902	9A07451800	FUSE CLIP
F901, F902	9A08825400	IC, TL074CN
IC401	9A07464000	RF COIL, 1UH
L501		
	9A07449500	TR, 2SC345P
O401-O404	9A07449500	TR, 2SC345P
O501, O502	9A07449500	TR, 2SC345P
O504, O505	9A07449500	TR, 2SC345P
O506	9A07449600	TR, 2SA7330, P
O507, O508	9A07449600	TR, 2SA7330, P
	9A07449500	TR, 2SC945P
O509, O510	9A07463900	TR, 2SA965-Y
O511	9A07463600	TR, 2SC2235-Y
O512	9A09135800	TR, 2SA1941-0
O513	9A09134600	MICA SHEET
O513, O514		
	9A09135700	TR, 2SC5198-0
O514	9A07449600	TR, 2SA7330, P
O515, O516	9A07449500	TR, 2SC945P
O516, O517	9A09135300	R, 0.22 OHM 5W 5%
R513, R517	9A07458200	R, 4.7 OHM 1/2W
R520, R522		
	9A09136300	R, 3.9K OHM 1/2W 5%
R521	9A09135200	R, 620 OHM 2W 5%
R525	9A09135400	R, 470 OHM 2W 5%
R901	9A09135500	R, 560 OHM 2W 5%
R902	9A09134900	RELAY, RPA-12V
RL501		
	9A08310000	DIODE, ZENER 11.9-12.4V 0.5W
ZD601	9A09137000	DIODE, ZENER 14.5-15.1V 0.5W
ZD502-504		

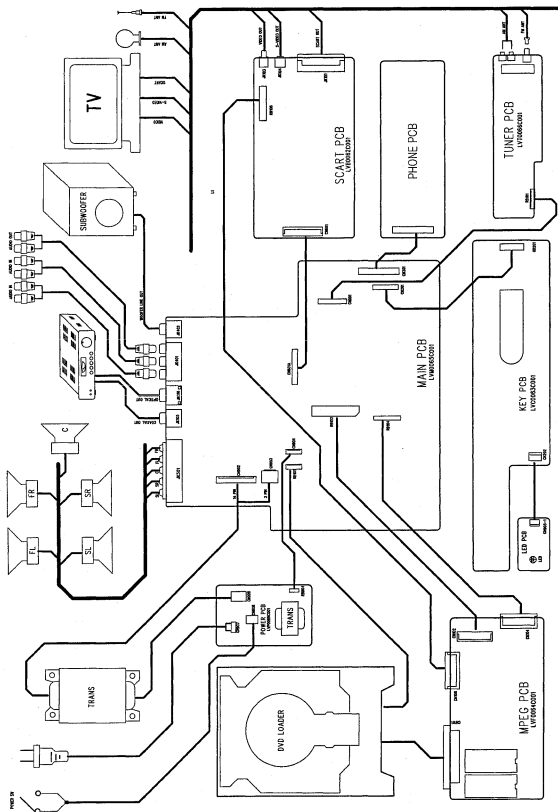
6 BLOCK DIAGRAM

ブロック図



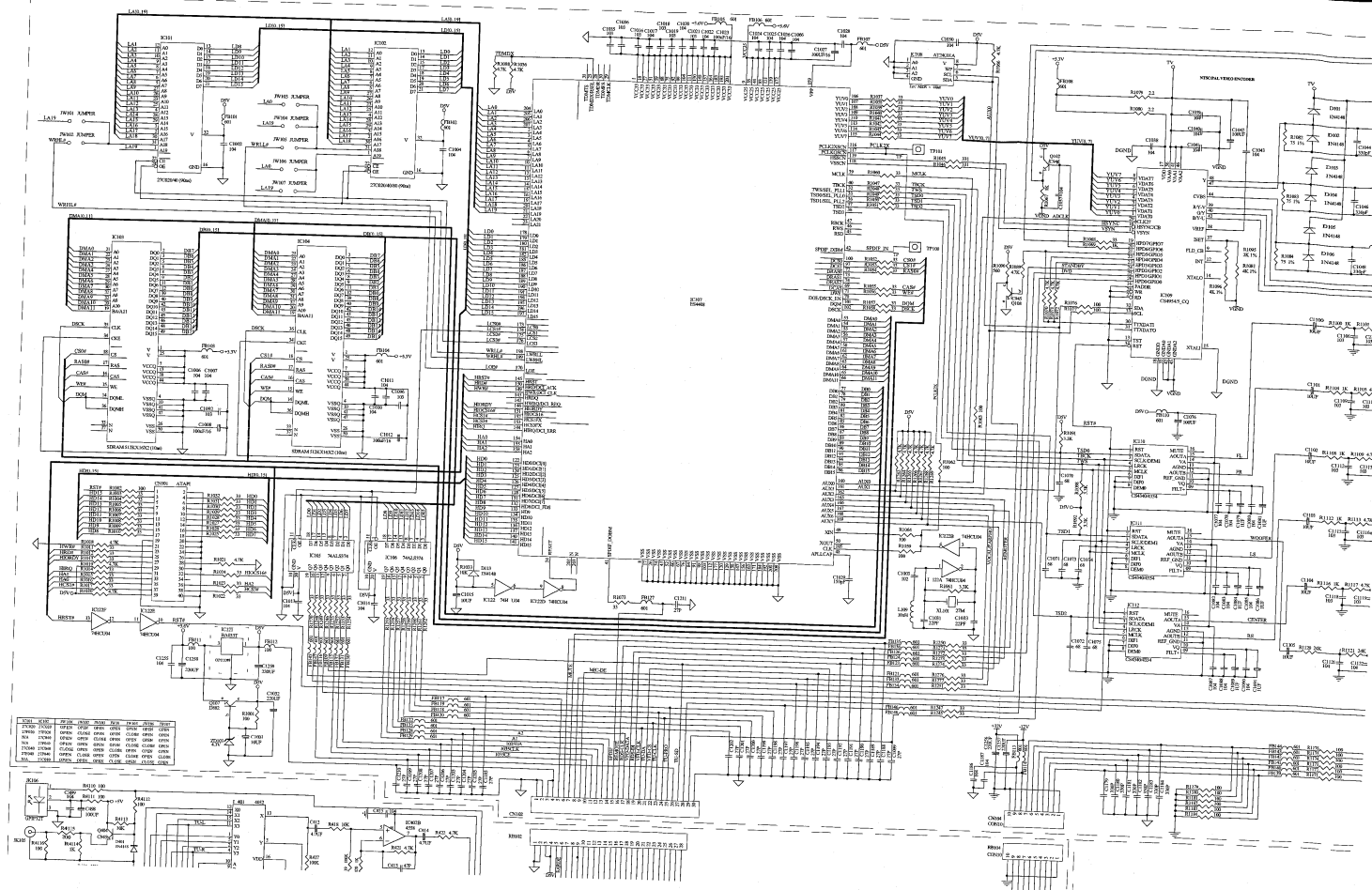
7 WIRING DIAGRAM

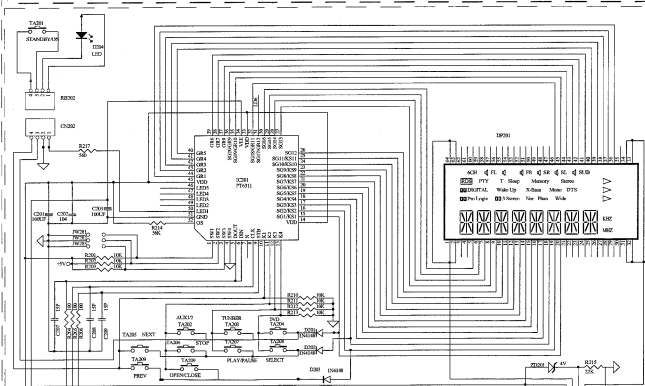
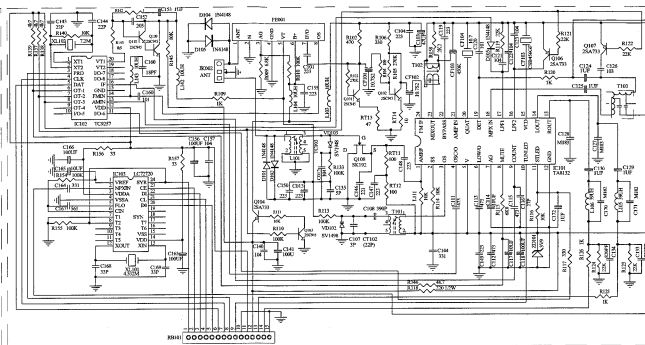
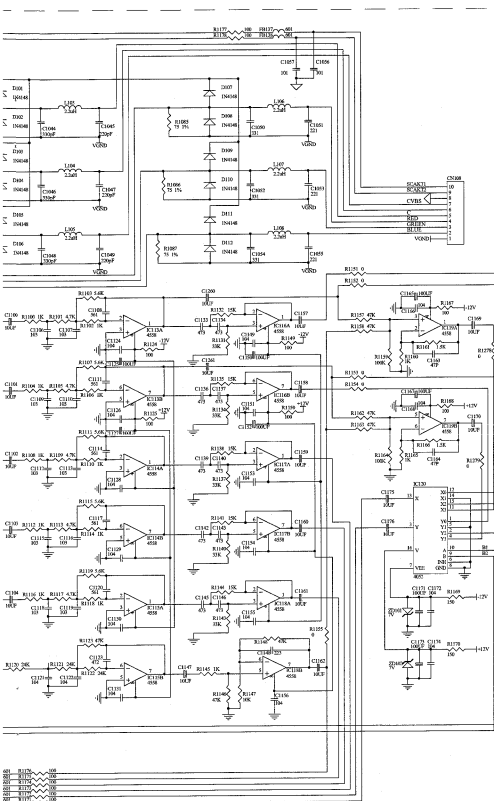
結線圖



TEAC SCHEMATIC DIAGRAM PL-D2000

A
B
C
D
E

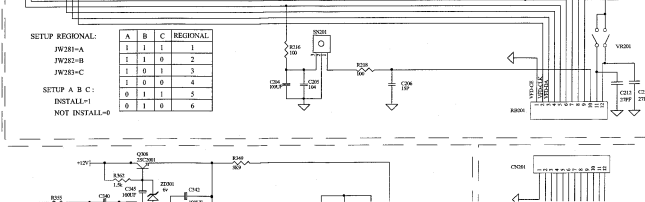




SETUP REGIONAL:

	A	B	C	REGIONAL
FW281-A	1	1	1	1
FW281-B	1	1	0	2
FW281-C	1	0	1	3
	1	0	0	4
	0	1	1	5
	0	1	0	6

SETUP A B C:
INSTALL:
NOT INSTALL-0



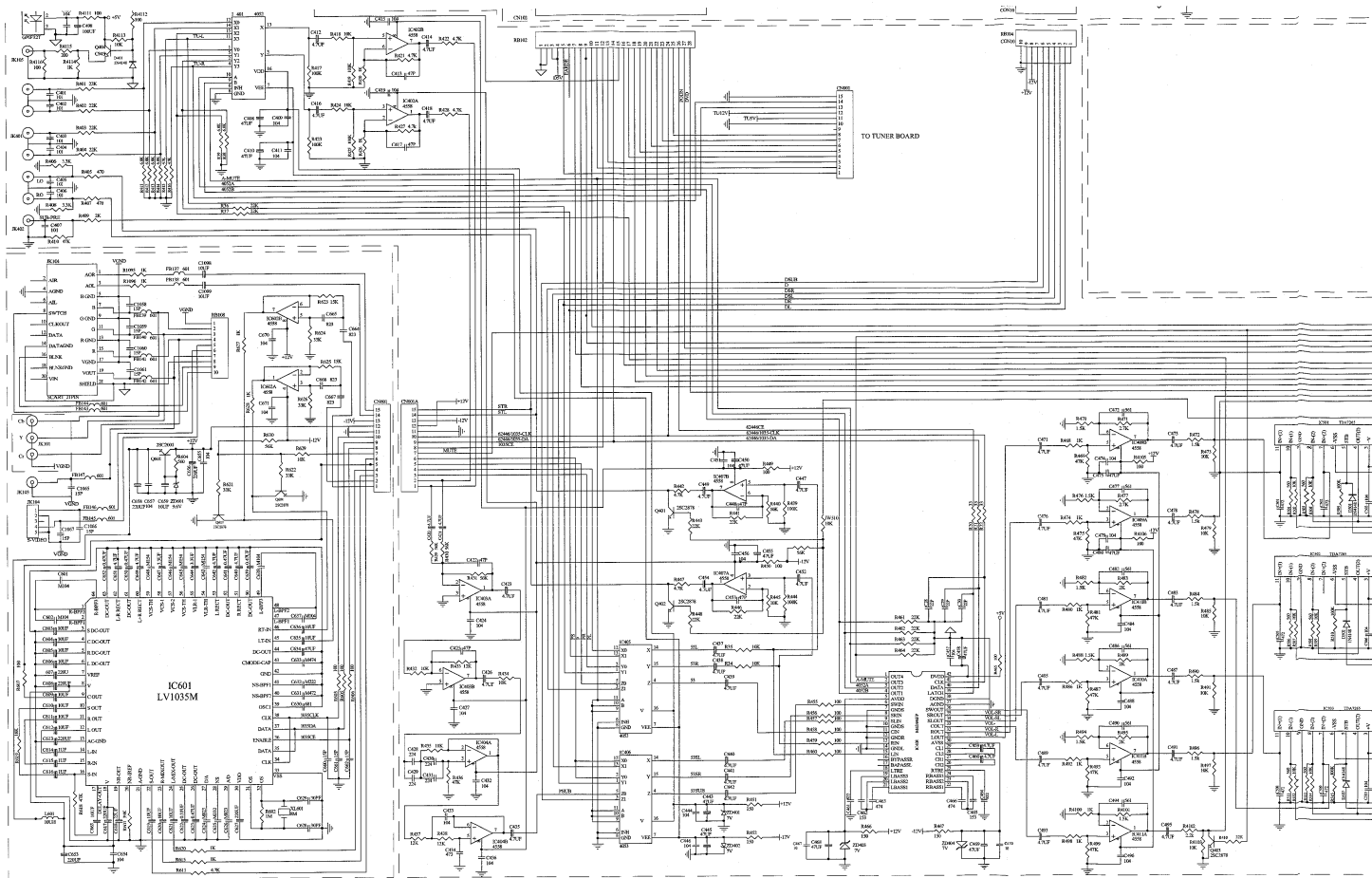
F

G

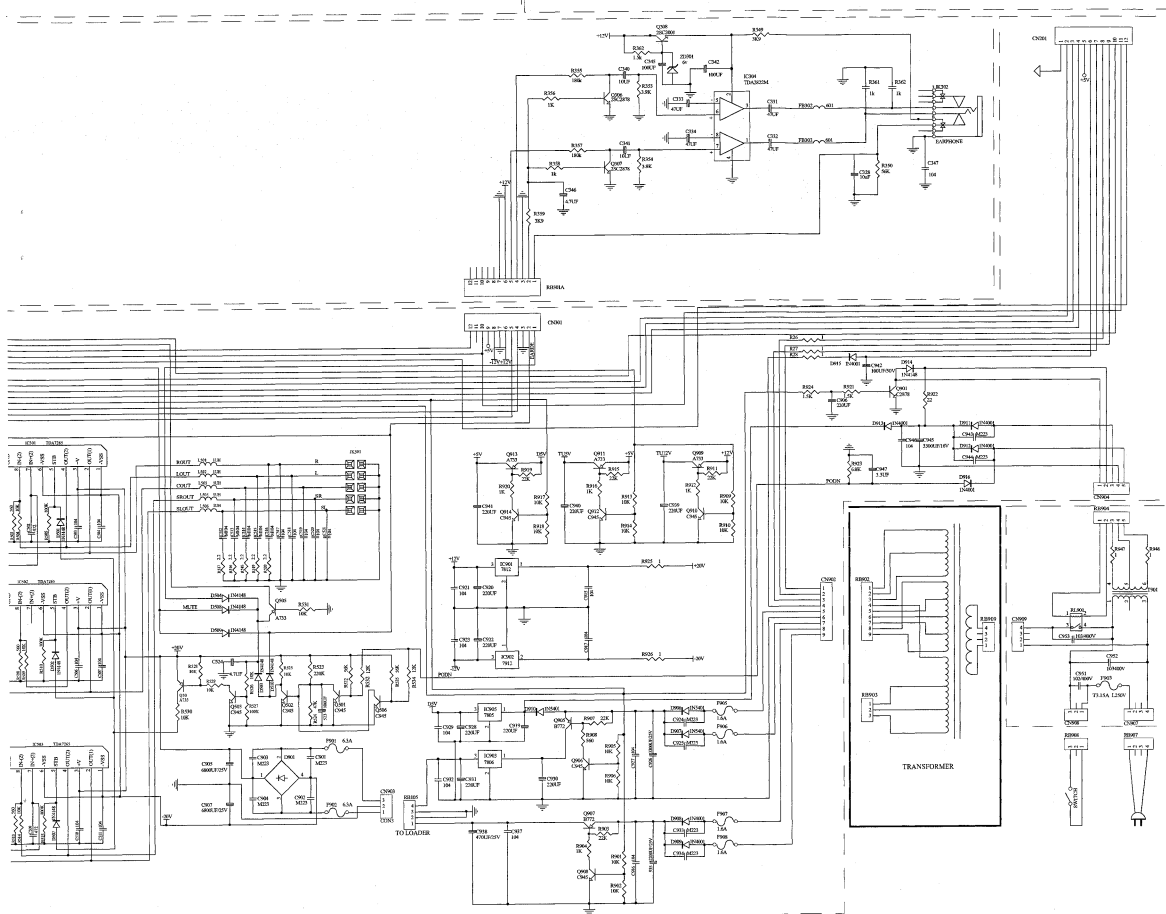
H

I

J



INSTRUCTIONS FOR SERVICE PERSONNEL
BEFORE RETURNING APPLIANCE TO THE CUSTOMER, MAKE LEAKAGE-
CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED
PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT.



PL-D2000
HOME THEATER SYSTEM
 1st Issue, September 2001